

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 30794104USWO U.S. APPLICATION NO. 10/582390 (1.5)
INTERNATIONAL APPLICATION NO. PCT/US2003/039355	INTERNATIONAL FILING DATE 11 December 2003	PRIORITY DATE CLAIMED 11 December 2003 (11.12.03)
TITLE OF INVENTION NON-POLAR (Al,B,In,Ga)N QUANTUM WELLS (11.12.03)		
APPLICANT(S) FOR DO/EO/US The Regents of the University of California and Japan Science and Technology Agency		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (Copy of Declaration of Inventorship as filed in International Appln)		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter . (Copy of Submission of PCT Powers of Attorney as filed in the International Appln)		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

AP20 Rec'd PCT/PTO 09 JUN 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (If known, use 37 CFR 1.51) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/582390</div>	INTERNATIONAL APPLICATION NO. PCT/US2003/039355	ATTORNEY'S DOCKET NUMBER 30794104USWO														
20. Other items or information: Copies of two recorded Assignments. (The Regents of the University of California and Japan Science and Technology Agency)																
The following fees have been submitted		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">CALCULATIONS</th> <th style="width: 50%;">PTO USE ONLY</th> </tr> </table>	CALCULATIONS	PTO USE ONLY												
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21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 300.00</td> <td style="width: 50%;"></td> </tr> </table>	\$ 300.00													
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22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 200.00</td> <td style="width: 50%;"></td> </tr> </table>	\$ 200.00													
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23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 100.00</td> <td style="width: 50%;"></td> </tr> </table>	\$ 100.00													
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TOTAL OF 21, 22 and 23 =		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">600.00</td> <td style="width: 50%;"></td> </tr> </table>	600.00													
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<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> </table>														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Total Sheets</th> <th style="width: 15%;">Extra Sheets</th> <th style="width: 30%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width: 40%;">RATE</th> </tr> <tr> <td style="text-align: center;">- 100 =</td> <td style="text-align: center;">/50 =</td> <td></td> <td style="text-align: center;">x \$250</td> </tr> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	- 100 =	/50 =		x \$250	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ -0-</td> <td style="width: 50%;"></td> </tr> </table>		\$ -0-					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE													
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Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$</td> <td style="width: 50%;"></td> </tr> </table>	\$													
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 40%;">RATE</th> </tr> <tr> <td>Total claims</td> <td style="text-align: center;">11 - 20 =</td> <td style="text-align: center;">-0-</td> <td style="text-align: center;">x \$ 50</td> </tr> <tr> <td>Independent claims</td> <td style="text-align: center;">3 - 3 =</td> <td style="text-align: center;">-0-</td> <td style="text-align: center;">x \$200</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	11 - 20 =	-0-	x \$ 50	Independent claims	3 - 3 =	-0-	x \$200	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ -0-</td> <td style="width: 50%;"></td> </tr> </table>		\$ -0-	
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Total claims	11 - 20 =	-0-	x \$ 50													
Independent claims	3 - 3 =	-0-	x \$200													
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MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ -0-</td> <td style="width: 50%;"></td> </tr> </table>	\$ -0-													
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<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> </table>														
SUBTOTAL =		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 600.00</td> <td style="width: 50%;"></td> </tr> </table>	\$ 600.00													
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Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). +		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ -0-</td> <td style="width: 50%;"></td> </tr> </table>	\$ -0-													
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ -0-</td> <td style="width: 50%;"></td> </tr> </table>	\$ -0-													
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Amount to be refunded:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%; text-align: center;">\$</td> </tr> </table>		\$												
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- AP20 Rec'd PCT/PTO 09 JUN 2006
- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 50-0494 in the amount of \$ 600.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0494. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

CUSTOMER NUMBER 22462
George H. Gates
Gates & Cooper LLP
6701 Center Drive West
Suite 1050
Los Angeles, CA 90045
(310) 641-8797

George H. Gates
SIGNATURE

George H. Gates
NAME

33,500
REGISTRATION NUMBER

GHG/bjs

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Michael D. Craven and Steven P. DenBaars
 Docket: 30794104USWO
 Title: NON-POLAR (Al,B,In,Ga)N QUANTUN WELLS

10/582390

1AP20 REGD PCT/PTO 09 JUN 2006

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

'Express Mail' mailing label number: EV 689293763 US

Date of Deposit: June 9, 2006

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By:

Name: Barbara Senty

MAIL STOP PCT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing Certificate Of Mailing Under 37 CFR 1.10.
- ☒ Form PTO-1390: TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371.
The fee has been calculated as shown below in the "Claims as Filed" table.
- ☒ A copy of International Application No. PCT/US2003/039355 as published.
- ☒ Copies of recorded Assignments of the invention to The Regents of the University of California and Japan Science and Technology Agency.
- ☒ A charge to Deposit Account in the amount of \$600.00 to cover the Total National Fee
- ☒ Other: Copy of Submission of PCT Powers of Attorney and Declaration of Inventorship.

								Fee
Basic National Fee								300.00
Examination Fee								200.00
Search Fee								100.00
Application Size Fee								\$0.00
CLAIMS AS FILED								
Total Claims	In Excess of:		Number Extra		Rate			
11	20	=	0	x	\$50.00	=		\$0.00
Independent Claims								
3	3	=	0	x	\$200.00	=		\$0.00
MULTIPLE DEPENDENT CLAIM FEE								\$0.00
TOTAL NATIONAL FEE								\$600.00

Please charge all fees to Deposit Account No. 50-0494. A duplicate of this sheet is enclosed.

Customer Number 22462

GATES & COOPER LLP

Howard Hughes Center
 6701 Center Drive West, Suite 1050
 Los Angeles, CA 90045
 (310) 641-8797

By:

Name: George H. Gates

Reg. No.: 33,500

Initials: GHG/bjs